

List of Patents (Indian & International)

S.No.	Title of the Invention	Year	Application Number	Granted / Publication	National / International
1	Artificial Intelligence-Based Technique to Analyse The Various Nano Material Properties to Be Used As Drug	2022	202211029348	Publication	Indian
2	Deep Learning Based Approach To Study And Analyse The Characteristics Of Various Nano Materials And Segregate Them To Suit Multiple Applications	2022	202211033608	Publication	Indian
3	An IoT and Deep Learning Based Air Pollution Monitoring and Prediction in A Smart City	2022	202241037345	Publication	Indian
4	Deep Learning Based Approach To Study The Various Thermoelectric Materials And Their Compositions In The Utilisation of Solar Energy	2022	202241041688	Publication	Indian
5	Robotic-Based Technology To Manage And Monitor The Water Pollution Causing Rivers	2022	202211038853	Publication	Indian
6	Interactive Robotic Systems with Novel Fabrication Techniques and Integration Processes To Facilitate Reconfigurable Circuit Design With Nano Materials	2022	202241044982	Publication	Indian
7	Designing A Framework Of IoT Integrated With PV Solar Cells To Increase The Renewable Energy Extraction By Capturing The Solar Rays	2022	202241046904	Publication	Indian
8	Deep Learning Approach To Analyse the Characteristics Of Various Nano Materials Along With Molecular Structures For Use In Agricultural Management	2022	202241046049	Publication	Indian
9	Machine Learning Approaches For Improving The Automatic Solar Light Tracking System For Energy Efficiency	2022	202241050110	Publication	Indian
10	Machine Learning Based Approach for Maximizing the Utilisation of Sodium Ion Batteries in The Near Future By Addressing The Flaws	2022	202241047661	Publication	Indian
11	Facial Expression Analysis System for Predicting the Stress Imposed on Employees Of An Organization Through Image Recognition Techniques	2022	202241060869	Publication	Indian

12	Design and Analysis of Battery Supercapacitor Hybrid Electrical Energy Storage Systems for Regulation Services	2022	202211058240	Publication	Indian
13	Deep Learning Based Analysis To Identify The Impact Of Various Social Media Platforms On The Academic Performance Of Students	2022	202211053623	Publication	Indian
14	Machine Learning Based Approach to Study The Structural, Optical And Electrical Characterization Of Nanostructured Porous Silicon	2022	202241069634	Publication	Indian
15	Smart Iot-Based System Integrated with An Artificial Intelligence Framework For Prediction Of Air And Water Pollution	2022	202241065330	Publication	Indian
16	Systematic Approach for Monitoring the Pollution Control In Smart Cities And Addressing The Security Challenges Integrated With Internet Of Things (IoT)	2022	202211056475	Publication	Indian
17	Systematic Approach to Analyse The Pros and Cons of Organic Photovoltaic Cells	2022	202241058312	Publication	Indian
18	Systematic Method for Employee Behaviors Before and After Stress Management	2023	202341016563	Publication	Indian
19	An Analysis Of The Roles Of Human Resource Management In Managing Work Stress In An Organization	2023	202341020316	Publication	Indian
20	Design of Smart Home Automation System Along with	2023	202341025010	Publication	Indian
	Energy Efficiency and Internet Of Things Through Wi-Fi				
21	Systematic Approach To Study The Functional Advantages Of Building Nanosystems Using Multiple Molecular Components	2023	202341025859	Publication	Indian
22	Implementation and Analysis Of Fractional Derivative-Based Weighted Skip Connections For Satellite Image Road Segmentation	2023	Granted	Granted	Indian

23	Study on Analyse The Strength and Weakness Of Various Mechanical Materials Using The Technique Of Artificial Intelligence	2023	202341027737	Publication	Indian
24	Implementation Of Artificial Intelligence-Enabled Design, Synthesis And Process Optimization Of Chemical Products For The Industry	2023	202341027782	Publication	Indian
25	Artificial Intelligence-Based Approach to Analyse The Bismuth Silver Pnictohalide Alternative to Perovskite In Fully Printable Triple Mesoscopic Solar Cells	2023	Granted	Granted	Indian
26	A Novel Technique for Establishing Social Presence and Intimacy in Teacher-Student Relationships	2023	Granted	Granted	Indian
27	Design of Smart And Compact Cooling Unit Appliance	2023	Granted patent	Grante d patent	Indian
28	A Credit Card Fraud Detection System Based On Artificial Intelligence Technique Through Machine Learning	2023	635180(Canadian Patents)	Granted	International (Canada)
29	Machine Learning Based Health Monitoring Wearable Device	2024	6358892	Granted	Indian
30	IoT-Enabled Chemical Mixing Device for an Agriculture Farm	2024	410327001	Granted	Indian
31	Design and High-Performance Broadband Microstrip Patch Antennas for 5g Communication	2024	202441060422	Granted	Indian
32	IoT-Enabled Solar-Powered Agriculture Robot	2024	428209-001	Granted	Indian
33	Smart Device to Detect the Happiness Of A Teacher	2024	6351809	Granted	International (UK)
34	IoT-Enabled Chemical Mixing Device for an Agriculture Farm	2024	410327-001	Granted	Indian

35	Photovoltaic Cell Testing Device	2024	432209-001	Granted	Indian
36	Battery Management System for Electric Vehicles	2024	437228-001	Granted	Indian
37	Nanoparticle-Based Cancer Medication Delivery Device	2025	6413754	Granted	International (UK)
38	lot-Based Apparatus For The Synthesis Of Nanoparticles	2025		Granted	Indian